

TOCON_water24V

Water Pressure Proof Housing with G1/4" Thread and Plug Connector

GENERAL FEATURES



Properties of the TOCON_water24V

- Optional feature for all TOCON detectors without lens cap
- 7–24V supply voltage
- Teflon (PTFE) G1/4" thread body, up to 10 bar water pressure proof
- Wide field of view
- EMC-safe
- Integrated sensor connector (Binder 5-Pin plug)
- Comes with 2 m connector cable
- Easy to mount and to connect, cleanable

The PTFE housing reduces the signal output by 95%.

Features of the integrated TOCON amplified UV photodetectors

The TOCON devices are using modern hybrid technology to cancel unwanted signal disturbances caused by moisture or electromagnetic radiation. The stable 0...4.75V output voltage can be directly connected to a SPC controller or a voltage multimeter. No amplifier is needed.

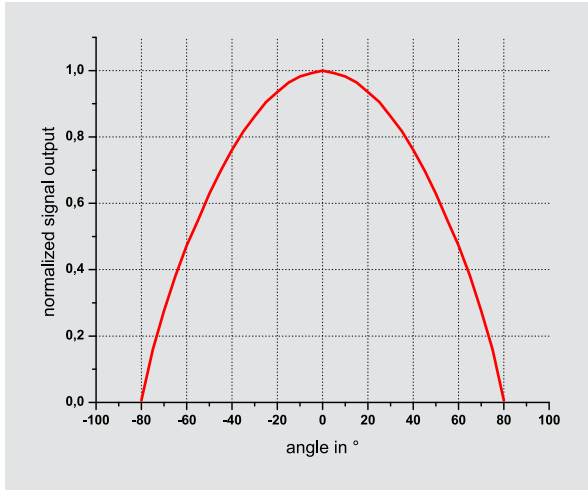
SPECIFICATIONS

Parameter	Symbol	Value	Unit
Spectral Characteristics		According to applied TOCON	
General Characteristics (T=25°C, V_{supply}=+7 V)			
Supply Voltage	V _{Supply}	7 ... 24	V
Max. Output Voltage (non depending on V _{supply})	V _{Out}	4.75	V
Temperature Coefficient at Peak for SiC	T _c	-0.3	%/K
Temperature Coefficient at Peak for GaP	T _c	-0.5	%/K
Current Consumption	I _{max}	According to applied TOCON	
Maximum Ratings			
Operating Temperature	T _{opt}	-25 ... +85	°C
Storage Temperature	T _{stor}	-40 ... +100	°C

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FIELD OF VIEW



Measurement Setup:

lamp aperture diameter: 10 mm distance lamp aperture to second aperture: 17 mm second aperture diameter: 10 mm distance second aperture to detector: 93 mm

pivot level = top surface of the detector window

DRAWING

